

What is claimed is:

1. A silicone tubing assembly comprising:

at least three thermoset, silicone, flexible tubes each including a free end with an interior surface; and

a silicone connector formed around at least a portion of all of the

5 free ends to form a smooth, fluid-tight passage between the three tubes, such that a portion of the material of each of the three tubes forms a portion of the passage within the connector.

2. The assembly of claim 1, wherein the free ends each have at least one outside dimension, and the silicone connector has an outside dimension greater than the at least one outside dimension.

3. The assembly of claim 2, wherein the outside dimension is the diameter of the tubes.

4. The assembly of claim 1, wherein each of the free ends has an interior diameter, and the portion of the passage within the connector has a sub-portion with an interior diameter the same as each of the respective free ends.

5. A mold and tubing assembly comprising:
 - at least three silicone, hollow, flexible tubes each including a free end;
 - first and second mold portions engaged to form a substantially closed cavity and supporting at least a portion of the three free ends within the mold;
 - a passage forming assembly including a rod portion disposed within the free ends of each of the three tubes; and
 - curable liquid silicone disposed in the cavity about the portions of the three ends and at least a portion of the passage forming assembly, wherein the passage forming assembly is configured to form a generally smooth passage between the three tubes after the liquid silicone is cured and the rod portion is removed.
6. The assembly of claim 5, wherein the passage forming assembly includes at least first, second and third rod members.
7. The assembly of claim 5, wherein the passage forming assembly is "Y" shaped.
8. The assembly of claim 5, wherein the passage forming assembly is a single-piece "Y".

9. The assembly of claim 5, wherein the passage forming assembly is non-silicone.

10. The assembly of claim 5, wherein the passage forming assembly is metallic.

11. The assembly of claim 10, wherein the passage forming assembly is stainless steel.

12. The assembly of claim 5, wherein at least one of the mold portions includes at least one port.

13. The assembly of claim 6, wherein at least a portion of the rod members are disposed within a silicone piece.

14. A mold and tubing assembly comprising:

at least three silicone, flexible tubes each including a free end with an interior surface having respective interior diameter;

first and second mold portions engaged to form a substantially closed cavity and supporting at least a portion of the three free ends within the mold;

a passage forming assembly including at least three rod members supported by a silicone piece, with a portion of each of the rod members being disposed within a respective free end of the three tubes; and

10 liquid silicone disposed in the cavity about the portions of the three ends and at least a portion of the passage forming assembly.

15. The assembly of claim 14, wherein the passage forming assembly is configured to form a generally smooth passage between the three tubes after the liquid silicone is cured and the rod portion is removed.

16. The assembly of claim 15, wherein at least one of the mold portions includes at least one port.

17. The assembly of claim 15, wherein the rod members are arranged in a "Y" orientation.

18. The assembly of claim 15, wherein the rod members are the legs of a single-piece "Y".

19. The assembly of claim 15, wherein the rod members are non-silicone.

20. The assembly of claim 15, wherein the rod members are metallic.

21. The assembly of claim 20, wherein the rod members are stainless steel.